QUERY CONTROL FORM			RTIS USE ONLY
Application No. 09/937351	Prepared by CA		Tracking Number 040007771
Examiner-GAU MacIC-2855	Date		Week Date 8/23/04
	No. of queries		

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION

a. Page Missing
b. Text Continuity
c. Holes through Data
d. Other Missing Text
e. Illegible Text
f. Duplicate Text
g. Brief Description
h. Sequence Listing
i. Appendix
j. Amendments
k. Other

CLAIMS

a. Claim(s) Missing
b. Improper Dependency
c. Duplicate Numbers
d. Incorrect Numbering
e. Index Disagrees
f. Punctuation
g. Amendments
h. Bracketing
i. Missing Text
j. Duplicate Text
k. Other

MESSAGE Amendment - (11-30-01) last page appears incomplete. Please Resolve. (Also, Serial No. is different — 09/771,703).

Thank You

initials CA

RESPONSE

initials

E-5 (Rev. 10/01/02)

Replace the paragraph on page 12 which begins "Finally in figures 5 and 6" with the following:

Finally in figures 5 and 6, respectively, the method according to the invention has been qualitatively evaluated against a reference method which is a determination of CFR by a doppler-technique. In this case however, it should be noted that the doppler-technique has its limitations and is not entirely accurate.

Please add the following paragraphs to the end of page 11:

As previously disclosed in this application, CFR can be obtained by measuring the mean transit time, T_{mn}, for a bolus dose of cold liquid by employing the response curves from lead resistance measurements and a temperature sensor respectively.

For the calculation of T_{mn}, the time constant, τ, of an exponential function $e^{-t/\tau}$ is calculated. It has also been discovered by the inventors that τ itself is correlated to the flow in a coronary vessel, and, therefore, τ itself can be used to determine a valve of CFR where τ_{rest} is the time constant of the temperature sensor response in a resting condition and τ_{hyper} is the time constant of the temperature sensor in a hyperemic condition. Accordingly, CFR = τ_{rest}/τ_{hyper}.

Please delete the page of the application which contains facsimile indicia across the top which says:

"30-JAN-01 TUE 09:30 DR. LUDWIG BRANN PAT AB FAX NO. 018 568939 P. 03."

Please delete the page of the application which contains facsimile indicia across the top which says:

"30-JAN-01 TUE 09:30 DR. LUDWIG BRANN PAT AB FAX NO. 018 568939 P. 04."

Please convert the page of the application which contains facsimile indicia across the top which says: "30-JAN-01 TUE 09:30 DR. LUDWIG BRANN PAT AB FAX NO. 018